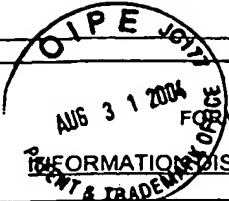


<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;">  </div> <div style="text-align: right;">Page 1 of 28</div> </div>			
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U.S. PATENT DOCUMENTS			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME
AS	AA1	07/28/1987	Mullis <i>et al.</i>
	AB1	11/23/1993	Felgner <i>et al.</i>
	AC1	02/14/1995	Makoff <i>et al.</i>
	AD1	08/22/1995	Fairweather <i>et al.</i>
	AE1	10/17/1995	Felgner <i>et al.</i>
	AF1	11/05/1996	Makoff <i>et al.</i>
	AG1	12/03/1996	Felgner <i>et al.</i>
	AH1	01/07/1997	Leppla <i>et al.</i>
	AI1	07/01/1997	Robinson <i>et al.</i>
	AJ1	10/14/1997	Leppla <i>et al.</i>
AS	AK1	05/05/1998	Calderwood <i>et al.</i>
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY
AS	AL1	04/25/1990	Canada
AS	AM1	05/02/1990	Europe
AS	AN1	05/03/1990	WIPO
AS	AO1	08/18/1994	WIPO
AS	AP1	09/01/1994	WIPO
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AS	AR	1	Agrawal, A., <i>et al.</i> , "Impairment of dendritic cells and adaptive immunity by anthrax lethal toxin," <i>Nature</i> 424:329-334, Nature Publishing Group (July 2003)
AS	AS	1	Aihara, H. and Miyazaki, J-I., "Gene transfer into muscle by electroporation in vivo," <i>Nat. Biotechnol.</i> 16:867-870, Nature America Publishing (1998)
AS	AT	1	Anderson, R., <i>et al.</i> , "Immunization of mice with DNA encoding fragment C of tetanus toxin," <i>Vaccine</i> 15:827-829, Elsevier (1997)
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AS	AA2	5,837,693	11/17/1998	German <i>et al.</i>			03/24/1995
	AB2	5,840,312	11/24/1998	Mock <i>et al.</i>			10/19/1994
	AC2	5,861,397	01/19/1999	Wheeler			10/03/1996
	AD2	5,994,317	11/30/1999	Wheeler			04/09/1996
	AE2	6,004,944	12/21/1999	Rothman <i>et al.</i>			10/02/1997
	AF2	6,022,874	02/08/2000	Wheeler			12/23/1998
	AG2	6,224,870	05/01/2001	Segal			01/15/1998
	AH2	6,267,966 B1	07/31/2001	Baillie			08/26/1997
	AI2	6,316,006 B1	11/13/2001	Worsham <i>et al.</i>			11/23/1994
	AJ2	6,387,665 B1	05/14/2002	Ivins <i>et al.</i>			03/07/2000
AS	AK2	6,379,966 B2	04/30/2002	Monahan <i>et al.</i>			11/29/1999

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AS	AL2	WO 98/08952 A1	05/05/1998	WIPO			Yes No
AS	AM2	WO 98/11914 A1	03/26/1998	WIPO			Yes No
AS *	AN2	CA 2,202,322	06/20/1998	Canada			Yes No
AS	AO2	WO 00/02522 A2	01/20/2000	WIPO			Yes No
AS	AP2	WO 00/02591 A1	01/20/2000	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AS	AR	2	André, S., <i>et al.</i> , "Increased Immune Response Elicited by DNA Vaccination with a Synthetic gp120 Sequence with Optimized Codon Usage," <i>J. Virol.</i> 72:1497-1503, American Society for Microbiology (1998)
AS	AS	2	Darquet, A.-M., <i>et al.</i> , "A new vehicle for nonviral gene delivery: supercoiled minicircle," <i>Gene Ther.</i> 4:1341-1349, Stockton Press (1997)
AS	AT	2	Davis, H.L., <i>et al.</i> , "Direct gene transfer in skeletal muscle: plasmid DNA-based immunization against the hepatitis B virus surface antigen," <i>Vaccine</i> 12:1503-1509, Elsevier Science (1994)
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AS	AA3	6,586,409 B1	07/01/2003	Wheeler			03/24/2000
	AB3	6,632,436	10/14/2003	Segal			02/21/2001
	AC3	6,670,332 B1	12/30/2003	Wheeler			06/05/1998
	AD3	6,696,424 B1	02/24/2004	Wheeler			05/26/2000
	AE3	5,589,466	12/31/1996	Felgner <i>et al.</i>			01/26/1995
	AF3	6,214,804 B1	04/10/2001	Felgner <i>et al.</i>			06/07/1995
	AG3	5,703,055	12/30/1997	Felgner <i>et al.</i>			01/26/1994
	AH3	6,710,035 B2	03/23/2004	Felgner <i>et al.</i>			12/02/1999
	AI3	2001/0031264 A1	10/18/2001	Segal			02/21/2001
	AJ3	2002/0019358 A1	02/14/2002	Manthorpe <i>et al.</i>			04/23/2001
AS	AK3	2002/0045594 A1	04/18/2002	Volkin <i>et al.</i>			09/12/2001

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AS	AL3	WO 00/56282 A1	09/28/2000	WIPO			Yes No
AS	AM3	WO 00/57917 A2	10/05/2000	WIPO			Yes No
AS	AN3	WO 01/19395 A1	03/22/2001	WIPO			Yes X No
AS	AO3	WO 01/34801 A2	05/17/2001	WIPO			Yes No
AS	AP3	WO 01/45639 A2	06/28/2001	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AS	AR	3	Deml, L., <i>et al.</i> , "Multiple Effects of Codon Usage Optimization on Expression and Immunogenicity of DNA Candidate Vaccines Encoding the Human Immunodeficiency Virus Type 1 Gag Protein," <i>J. Virol.</i> 75:10991-11001, American Society for Microbiology (November 2001)
AS	AS	3	Donnelly, J.J., <i>et al.</i> , "DNA Vaccines," <i>Annu. Rev. Immunol.</i> 15:617-648, Annual Reviews Inc. (1997)
AS	AT	3	Duesbery, N.S., <i>et al.</i> , "Proteolytic Inactivation of MAP-Kinase-Kinase by Anthrax Lethal Factor," <i>Science</i> 280:734-737, American Association for the Advancement of Science (1998)

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AS	AA4	2002/0048590 A1	04/25/2002	Klimpel <i>et al.</i>			05/09/2001
	AB4	2002/0051791 A1	05/02/2002	Galloway <i>et al.</i>			12/21/2000
	AC4	2002/0081317 A1	06/27/2002	Mahan <i>et al.</i>			08/09/2001
	AD4	2002/0102277 A1	08/01/2002	Sokol <i>et al.</i>			11/16/2001
	AE4	2002/0142002 A1	10/03/2002	Galloway <i>et al.</i>			03/25/2002
	AF4	2002/0165183 A1	11/07/2002	Herweijer <i>et al.</i>			11/13/2001
	AG4	2002/0197272 A1	12/26/2002	Galloway <i>et al.</i>			03/25/2002
	AH4	2003/0003109 A1	01/02/2003	Galloway <i>et al.</i>			03/25/2002
	AI4	2004/0157789 A1	08/12/2004	Geall			12/02/2003
	AJ4	2004/0023911 A1	02/05/2004	Felgner <i>et al.</i>			03/14/2003
AS	AK4	2003/0032615 A1	02/13/2003	Felgner <i>et al.</i>			07/26/2002

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AS	AL4	WO 02/00844 A2	01/03/2002	WIPO			Yes No
	AM4	GB 2,370,772 A	07/10/2002	Great Britain			Yes No
	AN4	WO 04/024067 A2	03/25/2004	WIPO			Yes No
	AO						Yes No
AS	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AS	AR	4	Felgner, P.L., <i>et al.</i> , "Lipofection: A highly efficient, lipid-mediated DNA-transfection procedure," <i>Proc. Natl. Acad. Sci. USA</i> 84:7413-7417, National Academy of Sciences (1987)
AS	AS	4	Gao, X. and Huang, L., "Potentiation of Cationic Liposome-Mediated Gene Delivery by Polycations," <i>Biochem.</i> 35:1027-1036, American Chemical Society (1996)
AS	AT	4	Gordon, V.M., <i>et al.</i> , "Proteolytic Activation of Bacterial Toxins by Eukaryotic Cells Is Performed by Furin and by Additional Cellular Proteases," <i>Infection & Immunity</i> 63:82-87, American Society for Microbiology (1995)

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AS	AA5	2004/0157244 A1	08/12/2004	Budahazi <i>et al.</i>			11/24/2003
AS	AB5	2004/0162256 A1	08/19/2004	Geall <i>et al.</i>			12/02/2003
AS	AC5	2003/0191082 A1	10/09/2003	Wheeler			03/19/2003
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	AL						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
AS	AR	<u>5</u>	Gramzinski, R.A., <i>et al.</i> , "Immune Response to a Hepatitis B DNA Vaccine In Aotus Monkeys: A Comparison of Vaccine Formulation, Route, and Method of Administration," <i>Molec. Med.</i> 4:109-118, The Picower Institute Press (1998)				
AS	AS	<u>5</u>	Gu, M.-L., <i>et al.</i> , "Protection against anthrax toxin by vaccination with a DNA plasmid encoding anthrax protective antigen," <i>Vaccine</i> 17:340-344, Elsevier Science Ltd. (1999)				
AS	AT	<u>5</u>	Hammond, S.E. and Hanna, P.C., "Lethal Factor Active-Site Mutations Affect Catalytic Activity In Vitro," <i>Infection & Immunity</i> 66:2374-2378, American Society for Microbiology (1998)				

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AS	AR	6	Hartikka, J., <i>et al.</i> , "An Improved Plasmid DNA Expression Vector for Direct Injection into Skeletal Muscle," <i>Human Gene Ther.</i> 7:1205-1217, Mary Ann Liebert, Inc. (1996)
AS	AS	6	Hartikka, J., <i>et al.</i> , "Electroporation-Facilitated Delivery of Plasmid DNA in Skeletal Muscle: Plasmid Dependence of Muscle Damage and Effect of Poloxamer 188," <i>Molec. Ther.</i> 4:407-415, The American Society of Gene Therapy (November 2001)
AS	AT	6	Henderson, D.W., "An Apparatus for the Study of Airborne Infection," <i>J. Hygiene</i> 50:53-68, Cambridge at the University Press (1952)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AS	AR	<u>1</u>	Holste, D., et al., "Optimization of Coding Potentials Using Positional Dependence of Nucleotide Frequencies," <i>J. Theor. Biol.</i> 206:525-537, Academic Press (2000)
AS	AS	<u>1</u>	Horn, N.A., et al., "Cancer Gene Therapy Using Plasmid DNA: Purification of DNA for Human Clinical Trials," <i>Human Gene Ther.</i> 6:565-573, Mary Ann Leibert, Inc., Publishers (1995)
AS	AT	<u>1</u>	Ivins, B.E. and Welkos, S.L., "Recent Advances in the Development of an Improved Human Anthrax Vaccine," <i>Eur. J. Epidemiol.</i> 4:12-19, Kluwer Academic Publishers (1988)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
AS	AR	8	Ivins, B., <i>et al.</i> , "Experimental anthrax vaccines: efficacy of adjuvants combined with protective antigen against an aerosol <i>Bacillus anthracis</i> spore challenge in guinea pigs," <i>Vaccine</i> 13:1779-1784, Elsevier Science Ltd. (1995)				
AS	AS	8	Klimpel, K.R., <i>et al.</i> , "Anthrax toxin protective antigen is activated by a cell surface protease with the sequence specificity and catalytic properties of furin," <i>Proc. Natl. Acad. Sci. USA</i> 89:10277-10281, National Academy of Sciences (1992)				
AS	AT	8	Kobiler, D., <i>et al.</i> , "Efficiency of Protection of Guinea Pigs against Infection with <i>Bacillus anthracis</i> Spores by Passive Immunization," <i>Infection & Immunity</i> 70:544-550, American Society for Microbiology (February 2002)				

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AS	AR	9	Kushner, N., <i>et al.</i> , "A fragment of anthrax lethal factor delivers proteins to the cytosol without requiring protective antigen," <i>Proc. Natl. Acad. Sci. USA</i> 100:6652-6657, National Academy of Sciences (May 2003)
AS	AS	9	Leppla, S.H., "Anthrax toxin edema factor: A bacterial adenylate cyclase that increases cyclic AMP concentrations in eukaryotic cells," <i>Proc. Natl. Acad. Sci. USA</i> 79:3162-3266, National Academy of Sciences (1982)
AS	AT	9	Leppla, S.H., "Production and Purification of Anthrax Toxin," <i>Meth. Enzymol.</i> 165:103-116, Academic Press, Inc. (1988)

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AS	AR	<u>10</u>	Lindmayer, I., <i>et al.</i> , "Development of New Jet Injector for Insulin Therapy," <i>Diabetes Care</i> 9:294-297, American Diabetes Association (1986)
AS	AS	<u>10</u>	Little, S.F. and Knudson, G.B., "Comparative Efficacy of <i>Bacillus anthracis</i> Live Spore Vaccine and Protective Antigen Vaccine against Anthrax in the Guinea Pig," <i>Infection & Immunity</i> 52:509-512, American Society for Microbiology (1986)
AS	AT	<u>10</u>	Manickan, E., <i>et al.</i> , "DNA Vaccines - A Modern Gimmick or a Boon to Vaccinology?," <i>Crit. Rev. Immunol.</i> 17:139-154, Begell House, Inc. (1997)

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	AM						Yes No
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AS	AR	<u>11</u>	Martins, J. and Roedl, E.A., "Medijector - A New Method of Corticosteroid -Anesthetic Delivery," <i>J. Occup. Med.</i> 21:821-824, Williams and Wilkins (1979)
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AS	AT	<u>11</u>	Mesnage, S. and Fouet, A., "Plasmid-Encoded Autolysin In <i>Bacillus anthracis</i> : Modular Structure and Catalytic Properties," <i>J. Bacteriol.</i> 184:331-334, American Society for Microbiology (January 2002)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
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AS	AR	<u>12</u>	Mikesell, P., <i>et al.</i> , "Evidence for Plasmid-Mediated Toxin Production in <i>Bacillus anthracis</i> ," <i>Infection & Immunity</i> 39:371-376, American Society for Microbiology (1983)
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	1530.0460002/EJH/JAH	10/658,688
	FIRST NAMED INVENTOR	
	Hermanson, G.G.	
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AS	AR	<u>20</u>	Shiver, J.W., <i>et al.</i> , "Replication-incompetent adenoviral vaccine vector elicits effective anti-immunodeficiency-virus immunity," <i>Nature</i> 415:331-335, Nature Publishing Company (January 2002)
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AS	AR	26	NCBI Entrez, GenBank Report, Accession No. AAA22637, Welkos, S.L., <i>et al.</i> , (Entry date 1999)
AS	AS	26	NCBI Entrez, GenBank Report, Accession No. M22589, Welkos, S., (Entry date 1999)
AS	AT	26	NCBI Entrez, GenBank Report, Accession No. AAA22569, Lowe, J., (Entry date 1993)

EXAMINER

/Anoop Singh/

DATE CONSIDERED

04/28/2006

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1530.0460002/EJH/JAH
FIRST NAMED INVENTOR
Hermanson, G.G.
FILING DATE
September 10, 2003

APPLICATION NO.
10/658,688
ART UNIT
1632

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AS	AR	<u>27</u>	File 351, Accession No. 8246987, Derwent WPI English language abstract for CA 2,001,508 (Document AL1), EP 0 366 550 A1 (Document AM1), and WO 90/04637 (Document AN1)
AS	AS	<u>27</u>	STNEasy Database, Accession No. 2001:208128, English language abstract for WO 2001019395 A1 (Document No. AN3)
AS	AT	<u>27</u>	Copy of Co-Pending U.S. Patent Application No. 10/748,853 (unpublished), inventor Wheeler, C.J., filed December 30, 2003

EXAMINER

/Anoop Singh/

DATE CONSIDERED

04/28/2006

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1530.0460002/EJH/JAH	APPLICATION NO. 10/658,688
	FIRST NAMED INVENTOR Hermanson, G.G.	
	FILING DATE September 10, 2003	ART UNIT 1632

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	AM						Yes
							No
	AN						Yes
							No
	AO						Yes
							No
	AP						Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AS	AR	<u>28</u>	Copy of Co-Pending U.S. Patent Application No. 08/486,533 (unpublished), inventors Felgner <i>et al.</i> , filed June 07, 1995.
	AS	<u>28</u>	
	AT	<u>28</u>	

EXAMINER	/Anoop Singh/	DATE CONSIDERED	04/28/2006
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Substitute for form 1449/PTO

**FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/658,688
Filing Date	September 10, 2003
First Named Inventor	Gary Hermanson
Art Unit	1645
Examiner Name	Baskar, P.
Attorney Docket Number	1530.0460002/EJH/J-H

Sheet	1	of	1
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Examiner Signature	/Anoop Singh/	Date Considered	04/28/2006
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English language Translation is attached.

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FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application Number	10/658,688
				Filing Date	September 10, 2003
				First Named Inventor	Hermanson
				Art Unit	1645
Sheet	1	of	1	Examiner Name	Baskar, P.
				Attorney Docket Number	1530.0460002/EJH/J-H

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author, title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher	T ²
AS	NPL1	Okinaka, R.T., <i>et al.</i> , "Sequence and Organization of pXO1, the Large <i>Bacillus anthracis</i> Plasmid Harboring the Anthrax Toxin Genes," <i>J. Bacteriol.</i> 181:6509-6515, American Society for Microbiology (1999)	
AS	NPL2	Price, L.B., <i>et al.</i> , "Genetic Diversity in the Protective Antigen Gene of <i>Bacillus anthracis</i> ," <i>J. Bacteriol.</i> 181:2358-2362, American Society for Microbiology (1999)	
AS	NPL3	Co-pending U.S. Patent Application No. 10/843,656, inventors Vilalta, A., <i>et al.</i> , filed May 12, 2004 (NOT PUBLISHED)	
AS	NPL4	Hermanson, G., <i>et al.</i> , "A Cationic Lipid-Formulated Plasmid DNA Vaccine Confers Sustained Antibody-Mediated Protection Against Aerosolized Anthrax Spores," <i>Proc. Natl. Acad. Sci. USA</i> 101:13601-13606, National Academy of Sciences (2004)	

424012_1.DOC

Examiner Signature	/Anoop Singh/	Date Considered	04/28/2006
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